

Fig. 2

M SEQUENCE 1-1 (PHYSICAL RANDOM NUMBER : 0)		1	2	3	4	FF 5	...	16	17
(a)	TIMING								
	t(1)	1	1	1	1	1	...	1	1
	t(2)	0	1	1	1	1	...	1	1
	t(3)	0	0	1	1	1	...	1	1
	t(4)	0	0	0	1	1	...	1	1
	t(5)	1	0	0	0	1	...	1	1
	t(6)	1	1	0	0	0	...	1	1
	...			...				...	
	...			...				...	
	t(2 <sup>17</sup> -1)	1	1	1	1	1	...	1	0

⇕

M SEQUENCE 1-2 (PHYSICAL RANDOM NUMBER : 1)		1	2	3	4	FF 5	...	16	17
(b)	TIMING								
	t(1)	0	0	0	0	0	...	0	0
	t(2)	1	0	0	0	0	...	0	0
	t(3)	1	1	0	0	0	...	0	0
	t(4)	1	1	1	0	0	...	0	0
	t(5)	0	1	1	1	0	...	0	0
	t(6)	0	0	1	1	1	...	0	0
	...			...				...	
	...			...				...	
	t(2 <sup>17</sup> -1)	0	0	0	0	0	...	0	1

14: PHYSICAL RANDOM NUMBER GENERATION SECTION

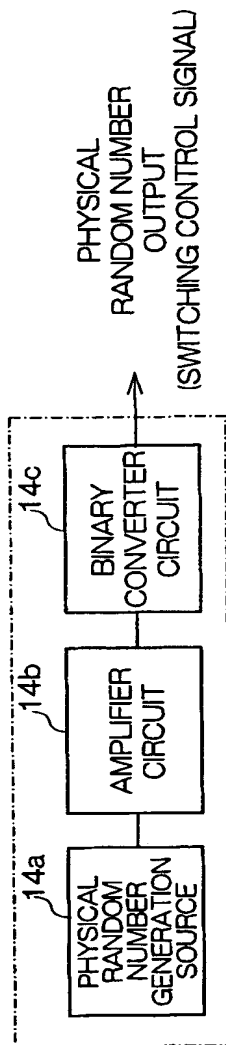


Fig. 3

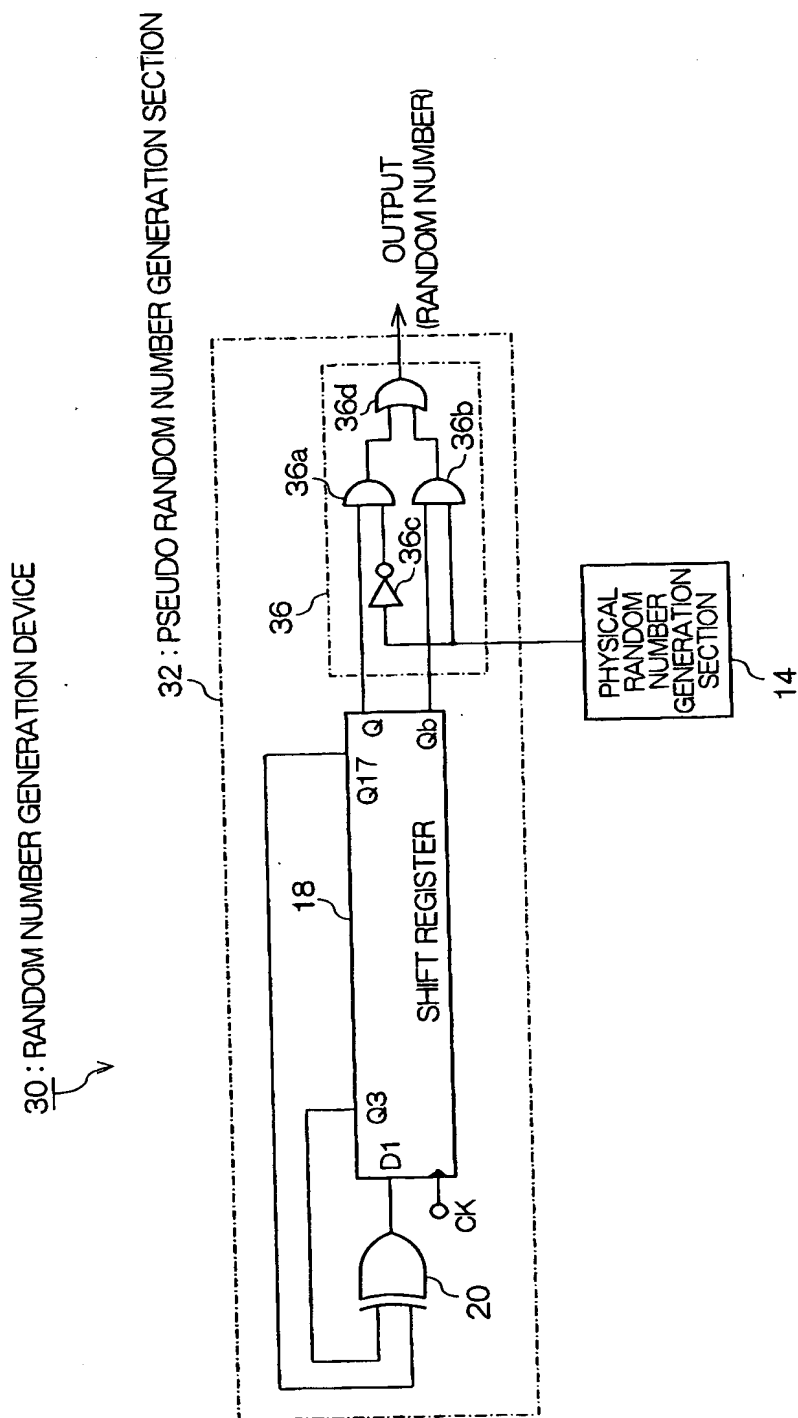


Fig. 4

40 : RANDOM NUMBER GENERATION DEVICE

42 : PSEUDO RANDOM NUMBER GENERATION SECTION

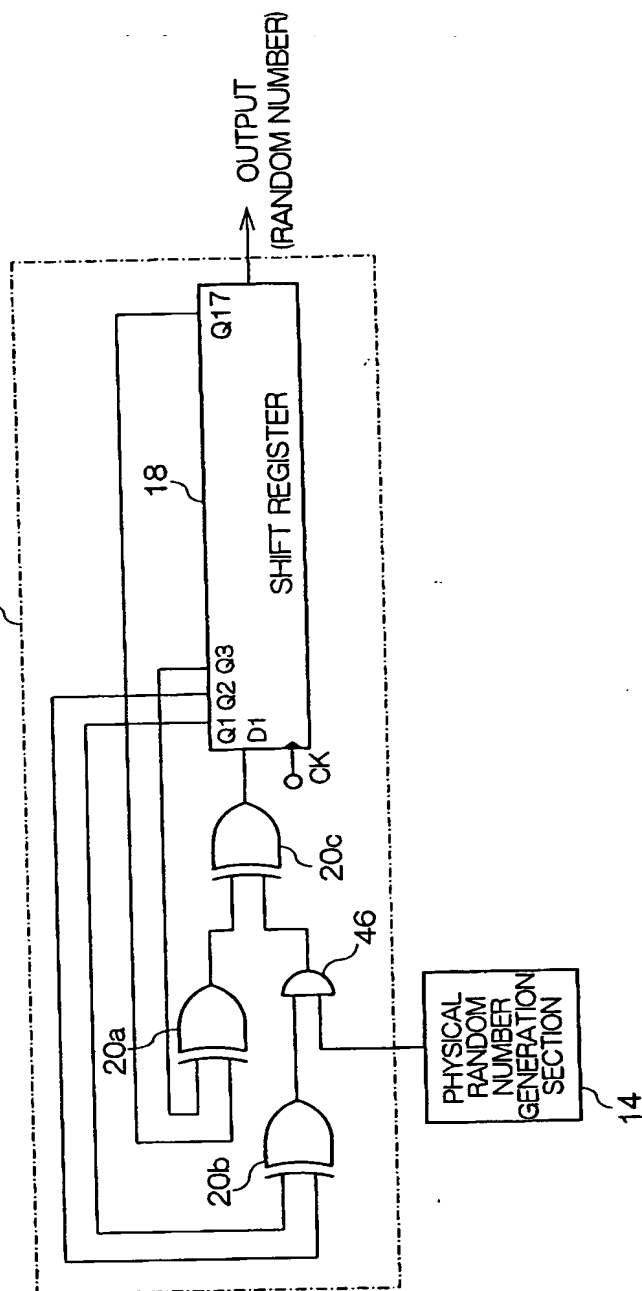


Fig. 5

Fig. 6

M SEQUENCE 3-1 (PHYSICAL RANDOM NUMBER : 0)		1	2	3	4	FF 5	...	16	17
(a)	TIMING								
	t(1)	1	1	1	1	1	...	1	1
	t(2)	0	1	1	1	1	...	1	1
	t(3)	0	0	1	1	1	...	1	1
	t(4)	0	0	0	1	1	...	1	1
	t(5)	1	0	0	0	1	...	1	1
	t(6)	1	1	0	0	0	...	1	1
	...			...				...	
	...			...				...	
	t(2 <sup>17</sup> -1)	1	1	1	1	1	...	1	0

⇕

M SEQUENCE 3-2 (PHYSICAL RANDOM NUMBER : 1)		1	2	3	4	FF 5	...	16	17
(b)	TIMING								
	t(1)	1	1	1	1	1	...	1	1
	t(2)	0	1	1	1	1	...	1	1
	t(3)	1	0	1	1	1	...	1	1
	t(4)	0	1	0	1	1	...	1	1
	t(5)	0	0	1	0	1	...	1	1
	t(6)	1	0	0	1	0	...	1	1
	...			...				...	
	...			...				...	
	t(2 <sup>17</sup> -1)	1	1	1	1	1	...	1	0

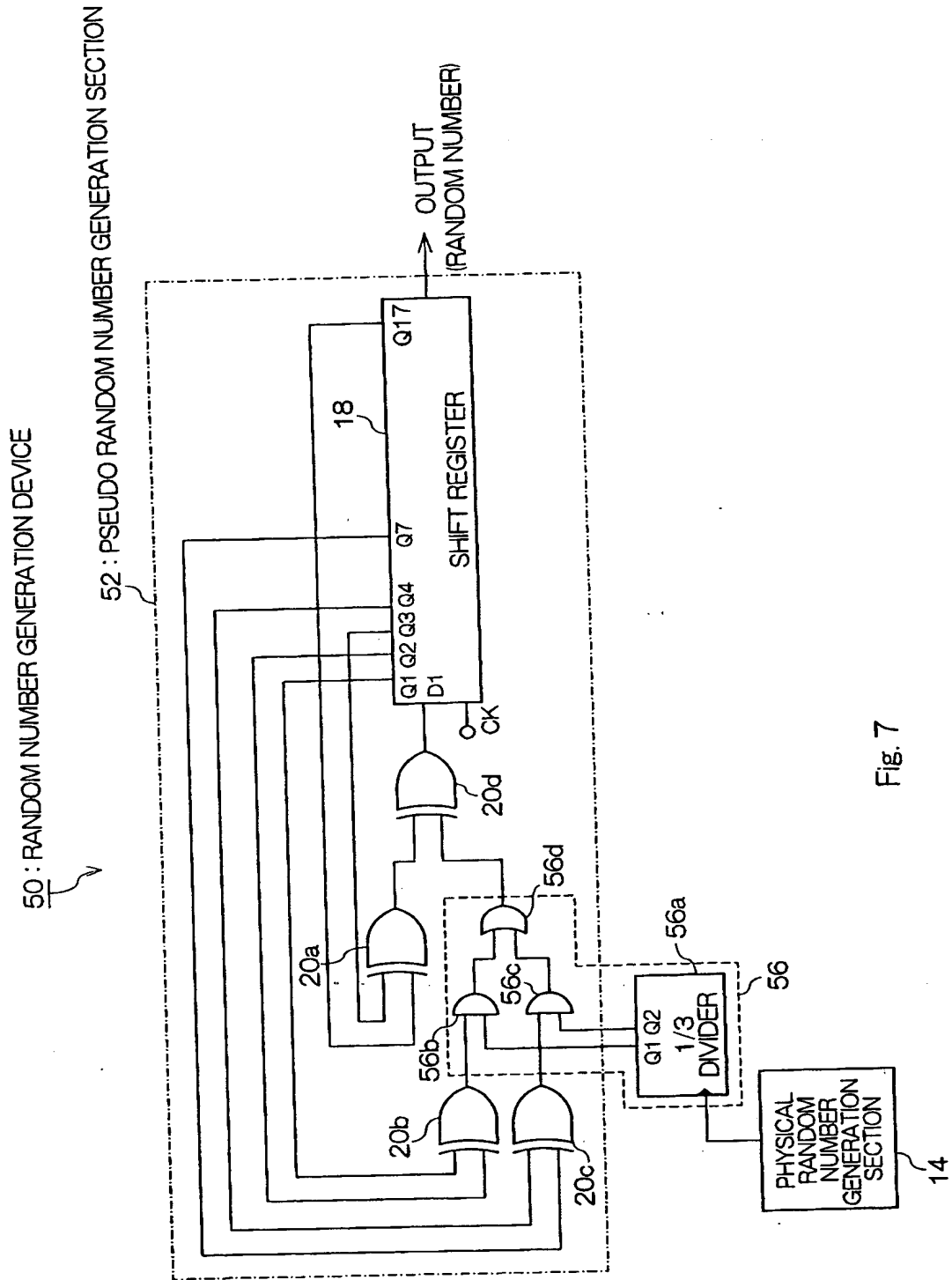


Fig. 7

Fig. 8

M SEQUENCE 4-1 (Q1=0,Q2=0)		FF								
		1	2	3	4	5	...	16	17	
(a)	TIMING	t(1)	1	1	1	1	1	...	1	1
		t(2)	0	1	1	1	1	...	1	1
		t(3)	0	0	1	1	1	...	1	1
		t(4)	0	0	0	1	1	...	1	1
		t(5)	1	0	0	0	1	...	1	1
		t(6)	1	1	0	0	0	...	1	1
		...			...				...	
		t(2 <sup>17</sup> -1)	1	1	1	1	1	...	1	0
M SEQUENCE 4-2 (Q1=1,Q2=0)		FF								
		1	2	3	4	5	...	16	17	
(b)	TIMING	t(1)	1	1	1	1	1	...	1	1
		t(2)	0	1	1	1	1	...	1	1
		t(3)	1	0	1	1	1	...	1	1
		t(4)	0	1	0	1	1	...	1	1
		t(5)	0	0	1	0	1	...	1	1
		t(6)	0	0	0	1	0	...	1	1
		...			...				...	
		t(2 <sup>17</sup> -1)	1	1	1	1	1	...	1	0
M SEQUENCE 4-3 (Q1=0,Q2=1)		FF								
		1	2	3	4	5	...	16	17	
(c)	TIMING	t(1)	1	1	1	1	1	...	1	1
		t(2)	0	1	1	1	1	...	1	1
		t(3)	0	0	1	1	1	...	1	1
		t(4)	0	0	0	1	1	...	1	1
		t(5)	1	0	0	0	1	...	1	1
		t(6)	0	1	0	0	0	...	1	1
		...			...				...	
		t(2 <sup>17</sup> -1)	1	1	1	1	1	...	1	0



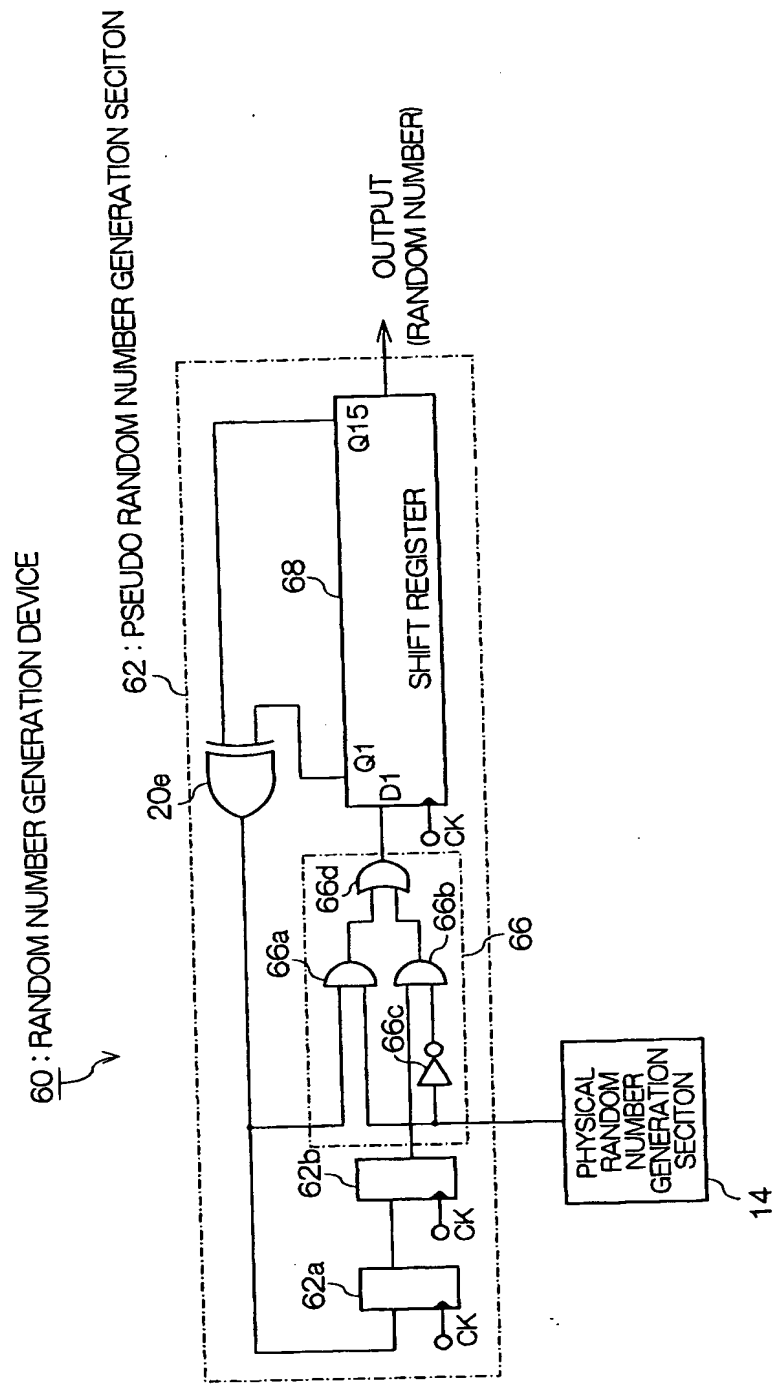


Fig. 9

Fig. 10

M SEQUENCE 5-1 (PHYSICAL RANDOM NUMBER : 0)		FF							
		1	2	3	4	5	...	16	17
(a)	TIMING	t(1)	1	1	1	1	...	1	1
		t(2)	0	1	1	1	...	1	1
		t(3)	0	0	1	1	...	1	1
		t(4)	0	0	0	1	...	1	1
		t(5)	1	0	0	0	...	1	1
		t(6)	1	1	0	0	...	1	1
		...							
		...							
		t(2 <sup>17</sup> -1)	1	1	1	1	...	1	0

M SEQUENCE 5-2 (PHYSICAL RANDOM NUMBER : 1)		FF							
		1	2	3	4	5	...	14	15
(b)	TIMING	t(1)	1	1	1	1	...	1	1
		t(2)	0	1	1	1	...	1	1
		t(3)	1	0	1	1	...	1	1
		t(4)	0	1	0	1	...	1	1
		t(5)	1	0	1	0	...	1	1
		t(6)	1	1	0	1	...	1	1
		...							
		...							
		t(2 <sup>17</sup> -1)	1	1	1	1	...	1	0

70 : RANDOM NUMBER GENERATION DEVICE

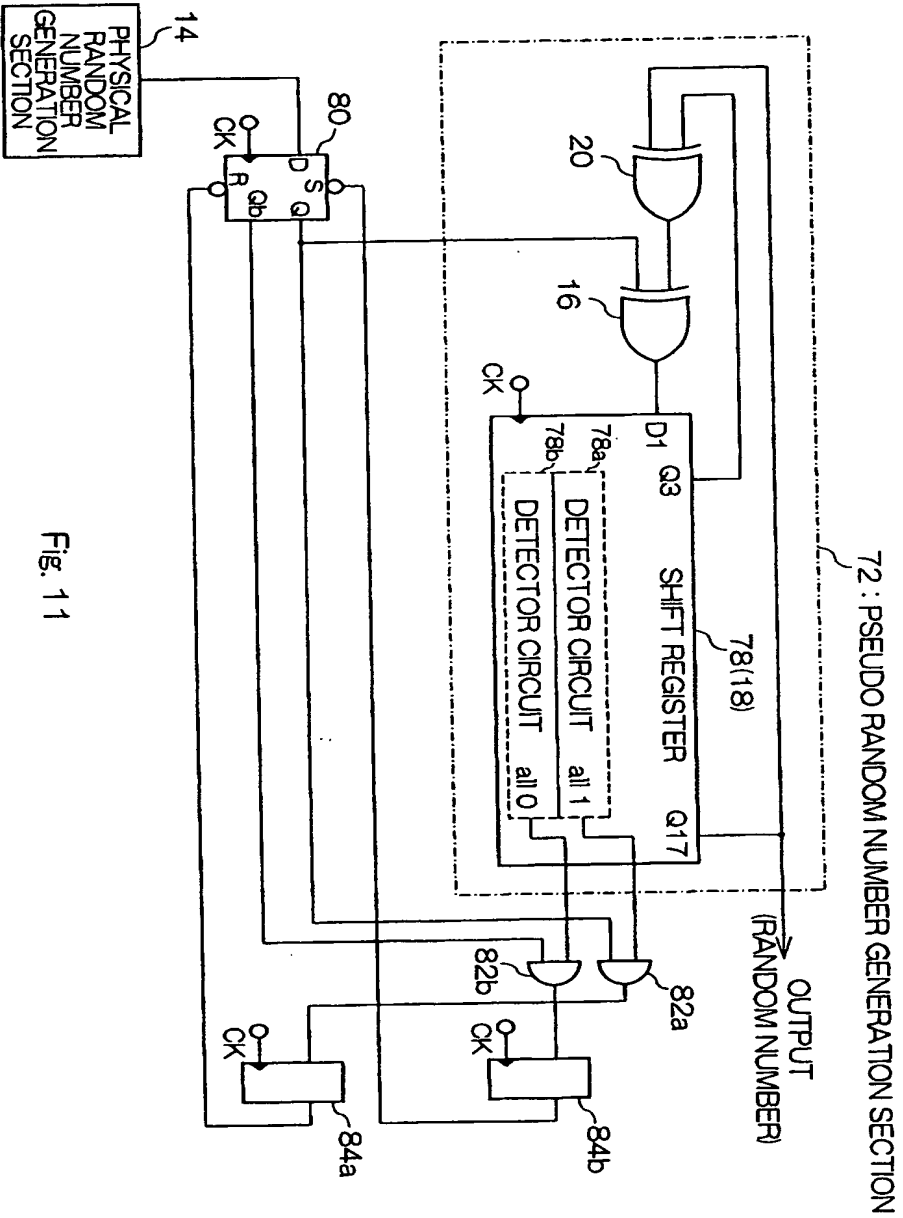


Fig. 11